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What I/We claim

- 1. An isolated DNA fragment of *Oryza sativa OSISAP1*, wherein the DNA fragment includes a sequence according to SEQ ID NO: 1.
- 2. A polypeptide consisting of an amino acid sequence comprising SEQ ID NO: 2 encoded by SEQ ID NO: 1 of claim 1.
- 3. An isolated recombinant plant vector comprising in the 5'to 3' direction of transcription:
 - a promoter functional in a plant;
 - an OSISAP1 sequence comprising SEQ ID NO:1; and
- 10 a transcription terminator functional in a plant.
 - 4. An isolated recombinant plant vector DNA according to claim 3, wherein the DNA is a plasmid.
 - 5. An isolated recombinant vector DNA according to claim 3, wherein the promoter is cauliflower mosaic virus 35S.
- 6. An isolated recombinant vector DNA according to claim 3, wherein the transcription terminator is nos terminator.
 - 7. A method of increasing stress tolerance in a plant, said method comprising of transforming the said plant with a recombinant vector of claim 3, to yield transformed plants.
- 8. A method as claimed in claim 7, wherein said plant used for transformation is selected from a group consisting of tobacco, rice and tomato plant.
 - A method as claimed in claim 7, wherein said method provides transformed plants having increased tolerance to cold stress.
 - 10. A method as claimed in claim 7, wherein said method provides transformed plants having increased tolerance to drought stress.
 - 11. A method as claimed in claim 7, wherein said method provides transformed plants having increased tolerance to salt stress.
 - 12. A transgenic plant produced by the method of claim 7, wherein said transformed plant exhibits increased tolerance to cold stress.
- 13. A transgenic plant produced by the method of claim 7, wherein said transformed plant exhibits increased tolerance to drought stress.
 - 14. A transgenic plant produced by the method of claim 7, wherein said transformed plant exhibits increased tolerance to salt stress.

- 15. Seeds produced by the transgenic plant of claim 12.
- 16. Seeds produced by the transgenic plant of claim 13.
- 17. Seeds produced by the transgenic plant of claim 14.

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